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**From:** Dan Pope [DPope@css-inc.com]  
**Sent:** 5/1/2018 7:16:04 PM  
**To:** d'Almeida, Carolyn K. [dAlmeida.Carolyn@epa.gov]; Davis, Eva [Davis.Eva@epa.gov]; Wayne Miller [Miller.Wayne@azdeq.gov]  
**Subject:** RE: thats funny.....

I think I said that in a memo/email, and also on conference calls, if my memory serves me correctly.

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**From:** d'Almeida, Carolyn K. [mailto:dAlmeida.Carolyn@epa.gov]  
**Sent:** Tuesday, May 01, 2018 2:12 PM  
**To:** Dan Pope; Davis, Eva; Wayne Miller  
**Subject:** RE: thats funny.....

Can I quote you on that?

Carolyn d'Almeida  
Remedial Project Manager  
Federal Facilities Branch (SFD 8-1)  
US EPA Region 9  
(415) 972-3150

*"Because a waste is a terrible thing to mind..."*

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**From:** Dan Pope [mailto:DPope@css-inc.com]  
**Sent:** Tuesday, May 1, 2018 12:03 PM  
**To:** d'Almeida, Carolyn K. <dAlmeida.Carolyn@epa.gov>; Davis, Eva <Davis.Eva@epa.gov>; Wayne Miller <Miller.Wayne@azdeq.gov>  
**Subject:** RE: thats funny.....

EBR for LNAPL at WAFB is basically a research project and should be designed and monitored with that in mind. But at least we got them to call it a pilot study, FWIW.

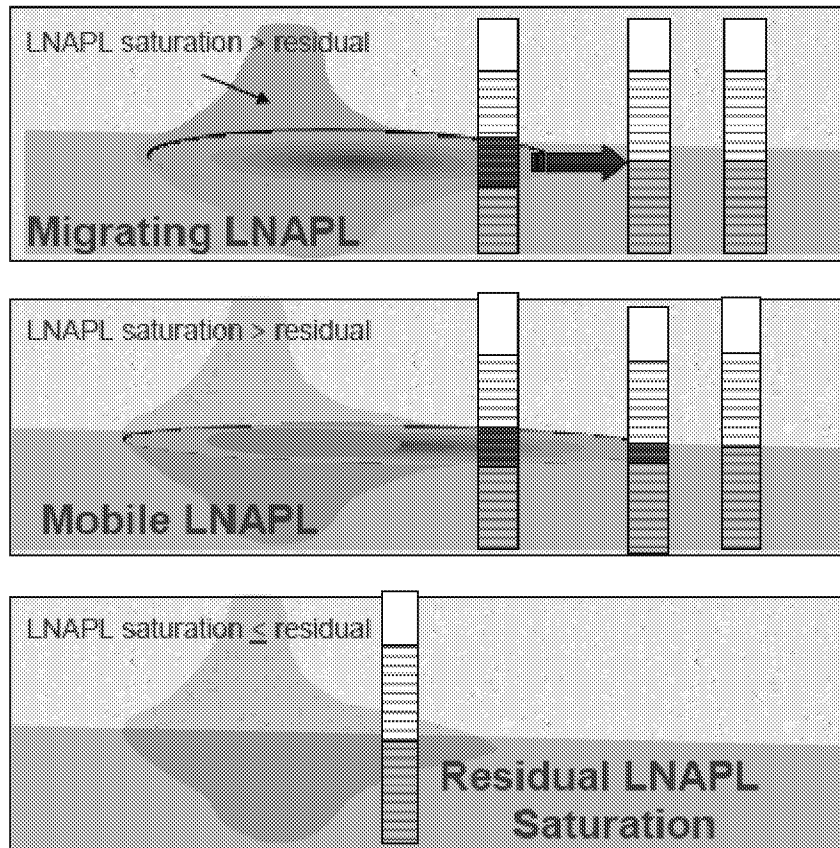
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**From:** d'Almeida, Carolyn K. [mailto:dAlmeida.Carolyn@epa.gov]  
**Sent:** Tuesday, May 01, 2018 1:59 PM  
**To:** Davis, Eva; Dan Pope; Wayne Miller  
**Subject:** thats funny.....

Just skimming through this ITRC document "Evaluating LNAPL Remedial Technologies for Achieving Project Goals" I don't see EBR as one of the possible technologies

<https://www.itrcweb.org/GuidanceDocuments/LNAPL-2.pdf>

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**Figure 3-1. Three LNAPL conditions.** The upper pane illustrates a situation before the LNAPL release is stopped. The LNAPL body is migrating due to the LNAPL head. LNAPL will continue to migrate laterally until the release is stopped and the LNAPL head dissipates. The middle pane illustrates a situation where the LNAPL release has been stopped and the LNAPL head has dissipated. LNAPL accumulates in a well installed in the LNAPL body, but the LNAPL is no longer migrating (spreading) laterally. The lower pane illustrates the situation where LNAPL is at residual saturation. LNAPL will not accumulate in a well installed in the LNAPL body unless the water table drops and LNAPL trapped below the water table can flow into the well.

Carolyn d'Almeida  
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